



AIMTRAINING

IPC Training and Certification
CIS and CIT Certification Options
Micro Soldering, Rework and Repair
Mobile Diagnostics and Repair
Production Process Evaluations
ESD Awareness Training
Face to Face or Live Online Options

A map of Australia with its state and territory boundaries outlined in white. Nine black dots are placed on the map to indicate sampling locations: one in Western Australia, one in Northern Territory, one in New South Wales, and six along the southern coast spanning Victoria, South Australia, and Tasmania. A diagonal white line separates this map from the New Zealand map below it.

Based on IPC training experience, AIM Training has created a portfolio representing brands capable of providing the technology and quality needed to meet the IPC standards themselves.



OKay NZ

AIM Training is a licence IPC Training Centre and has been leading the way with IPC Training in Australia since 2007. AIM Training delivers comprehensive and certifiable courses covering all areas of electronics. Along with a range of IPC Training Courses, our offerings also include customised training courses for Electronics through hole and SMT production, Master Micro Rework, Repair and Diagnostics for Mobile Devices and ESD Awareness

12 DIFFERENT LOCATIONS

Highest Quality Standard And Customer Satisfaction

AIM Training is always striving to provide high-quality service. Our commitment is reflected in our high score for customer satisfaction, loyalty, and appreciation. We welcome thousands of trainees across twelve different locations and continuously expand our training offer to suit the needs of our candidates.

Fostering Strong Partnerships

AIM Training works in collaboration with Chemtools®, AIM Solder Australia® and Okay Technologies whom are Australian multi-industry chemical and solder manufacturers. Our workshops are equipped with the latest Soldering and Inspection equipment, with soldering consumables readily available for use during training. This ensures that we are training our candidates with the foremost machinery available, equipping them with first-hand knowledge and skills that can carry them confidently in the workplace.

Internationally Recognised

IPC Training is internationally recognised, and is a reputable option for skills development and training with qualified instructors sharing over 60 years of experience in the industry. Our trainers all have international teaching experience, and each has their area of expertise to offer. Together, they are committed to providing you with hands-on assistance in all aspects of learning.

More Than An Educational Centre

We are more than a certified IPC Training facility. Our on-site workshops provide ongoing manufacturing or rework process technical support. We take pride in working with the leading producers in conformal coatings, flux removers, and many other chemicals used in the electronics industry, as well as AIM solder pastes, bars, and fluxes.

WHAT IS IPC?



Institute of Printed Circuits, now known as IPC, is the world's leading source for industry standards, training and industry intelligence for the assembly and production requirements of electronic equipment and assemblies. IPC certificate courses are globally recognised and offer comprehensive training designed to meet the highest quality and safety standards.

AIM Training offers a wide range of IPC Training for your every need:

- IPC-A-600 - Acceptability of Printed Circuit Boards
- IPC-A-610 - Operator Acceptability Of Electronic Assemblies
- IPC-7711/7721 - Rework Of Electronic Assemblies & Repair & Modification Of Printed Boards & Assemblies
- IPC-J-STD-001 - Operator Requirements For Soldered Electrical & Electronics Assemblies
- IPC/WHMA-A-620 - Requirements & Acceptance for Cable & Harness Assemblies
- IPC-J-STD-001GS - IPC-J-STD-001 Space Addendum
- Certified IPC Trainer (CIT) 'Train the Trainer' Courses
- IPC CIS & CIT Certification Refresher & Renewal

Our AIM Training® courses include:

- Production Line High-Reliability Soldering
- Advanced SMT & Thu-Hole Rework
- Rework And Repair Of Micro Miniature Electronic Assemblies
- Master Micro Rework, Repair and Diagnostics for Mobile Devices
- ESD Awareness Training

IPC Training For Novices And Experienced Professionals Alike

AIM Training is among Australia's most trusted training providers. We strive to cater to industry professionals of all levels of expertise. No matter where you are in your journey, our extensive offering includes the right course for you.

STANDARDS FOR DEFENCE AND SPACE INDUSTRY ELECTRONICS

IPC Class 3 High Performance Electronics Products

Due to the demand for high reliability while operating in extremely harsh environments, it is mandated to meet **IPC Class 3 standards for the Defence and Space industry**.

The Electronics in Class 3 products demand continued high performance and performance-on-demand. Equipment downtime cannot be tolerated, end-use environment may be uncommonly harsh, and the equipment must function when required for industries such as Defence, Avionics, Aerospace, Marine, Data communication, Medical, Automotive or other critical systems. Hence, the requirements for special considerations in terms of design, fabrication and assembly.

Quality is critical where reliability is paramount. Hence, it is a pre-requisite in ensuring quality standards in electronics are applied across the production process for work carried out.

Regardless of whether you manufacture in-house, outsource or a combination of both, upskilling your employees to inspect or perform workmanship to **IPC Class 3 Standards** will aid in building consistent, reliable products, improving cross channel communications and reducing costs.



IPC TRAINING & CERTIFICATION COURSES

AIM Training is Australia's premier IPC Certification Centre. With 3 full time MIT Trainers that travel Australia and New Zealand wide. Most courses are available for both Instructors (CIT) and Operators (CIS)



IPC-A-600

Nearly everything in the Electronic universe depends on a circuit board. The IPC-A-600 Acceptability of Printed Boards is the industry's most recognised standard for acceptability of circuit boards, and makes a powerful statement to users that a company is serious about continuous quality improvement. This training starts by establishing the importance between the IPC-A-600 and the IPC-6012, Qualification and Performance Specifications for Rigid Boards. Anyone involved in Purchasing, Board Inspection, Incoming Quality Inspection, or specifying circuit board needs and is seriously interested in technically accurate training should attend this course.

IPC-A-610

The acceptability of electronic assemblies is IPC's most widely used standard with an international reputation as The Source for end product acceptance criteria for consumer and high reliability assemblies. IPC-A-610 is a visual collection of the acceptability requirements for Mechanically Secured Assemblies. Through Hole and Surface Mount Soldered interconnections, and the associated processes to achieve them, this visual standard reflects the requirements of other existing IPC standards. IPC-A-610 certification will demonstrate your company's commitment to customer requirements and will greatly assist any company dedicated to quality assurance initiatives. Anyone who is responsible for the quality and reliability of electronic assemblies should consider this comprehensive and technically accurate program.



IPC/WHMA-A-620

The industry's first standard for Cable and Wire Harness Fabrication and Installation. IPC/WHMA-A-620 describes acceptability criteria for crimped, mechanically secured and soldered interconnection and the corresponding lacing or restraining criteria associated with the Wire and Cable Harness Industry. This certification will demonstrate your commitment to customer requirements and greatly facilitates other quality assurance initiatives. Anyone responsible for quality, reliability and integrity of end use Cable or Wire Harness assemblies should attend this in-depth program.

Optional Space Hardware Addendum available.

IPC J-STD-001

The Requirements for Soldered Electrical and Electronic Assemblies has emerged as the preeminent authority for Electronic Assembly Manufacturing. This standard defines the materials, methods and verification criteria for producing high quality soldered interconnections. This standard emphasises process control and gives companies the tools they need to increase employee skills and performance. J-STD sends a strong message to customers that your company is serious about implementing company wide quality assurance initiatives. Anyone responsible for quality and reliability of soldered electronic assemblies should attend this hands-on soldering course.

Optional Space Hardware Addendum available.



IPC-7711/7721

The Printed Circuit board is populated with expensive components and direct labor, and it does NOT work! There is no starting over, and the choices are limited. IPC's Rework, Repair, and Modification Training offers your company the money saving alternative! This course teaches industry approved techniques on Through Hole and Surface Mount Rework, and Land, Conductor, and Laminate Repair. Clearly the greatest asset of this program can be measured in the dollars saved on restoring expensive electronic assemblies. Anyone responsible for ensuring and maintaining the quality and reliability of your completed assemblies should consider this highly skilled hands-on program.



THE MAJOR BENEFITS OF CONDUCTING IPC CERTIFICATION IN YOUR WORKPLACE:

Building Consistent Products

Consistency is key to profitability and industry success. Educating staff on IPC standards provides guidelines for the efficient production of a consistent product. Consistency in manufacturing methods and final product specifications has a direct and positive correlation to consumer satisfaction and repeat business.

In terms of industry compliance, failure to follow the most widely accepted set of IPC standards results in a "massive duplication of effort costing the industry millions of man hours in waste and creating industry chaos and global non-standardisation." An organisation's level of internal consistency should mirror industry best practices to guarantee optimal production symmetry and cooperation.

Improving Cross-Channel Communications

Miscommunication can lead to inconsistency and delayed production. In the OEM and EMS industry, it is crucial that vendors and manufacturers use the same terminology and practice the same standards. IPC certification ensures that this is the case. Employees and managers from all sides of supply channels confirm the benefits of IPC certification in cross-channel communication and attribute their success, in large part, to speaking the same language. When cross-channel interactions are streamlined, overall production time and coordination is improved.



Reducing Costs

When a company is able to produce consistently and streamline cross-channel communications and interactions, what follows is a natural reduction in production costs.

The requirements laid out in IPC courses ensure that each product, at each stage in the assembly line and process, is evaluated and serviced under the same scrutiny as others. This will not only reduce costs by decreasing the number of rebuilds and reworks, but also improve production time. These certifications ensure that your operation employs a higher standard of quality control.

After receiving or renewing your IPC certifications, you'll find that your ability to efficiently produce a consistent, high-quality product, and communicate with other vendors/manufacturers in your supply chain, becomes significantly simpler. These certifications not only enable your company to become a trusted provider within the industry, but also allow for future business growth as understanding Class 3 standards is highly recommended when working in the Defence / Aerospace / Medical / Aviation Industries

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